

## **ABSTRACT**

An apparatus and method for integrated macro-frameworks that can be called by the object oriented software code to provide a consistent and efficient graphical presentation. The frameworks are macro-functions that can be utilized by various applications and are such that within each application and from application to application there is a consistency in the presentation of information and how information is entered and retrieved. The frameworks also provide for efficient operations of the application as well as efficient access of database tables. The frameworks can also provide an efficient and consistent means for developing a graphical user interface navigation function for navigating through various screens of a given application.